

What is claimed is:

1. An electronic device, comprising a housing part (1) having at least one closable opening (3) and one plug-in part (6), the housing part (1) accommodating a printed circuit board (4), which includes at least one electrical and/or electronic component (5) arranged thereon, and electrical contact elements (10), which are electrically connected to the plug-in part (6) and which have ends (12) in the housing interior running parallel to each other and protruding in the direction of the at least one opening (3), the ends (12) passing through contact openings (8) of the printed circuit board (4) and being conductively connected to the printed circuit board, wherein the contact elements (10) are provided, on a part of their length that is not inserted into the contact openings (8), with elastically deformable segments (13, 15, 18); and the printed circuit board (4) is flexibly supported in the housing part (1) by the contact elements (10) that are configured in this way, and is also joined via damping elements (20) at least indirectly to the housing part (1).
2. The electronic device as recited in Claim 1, wherein the elastically deformable segments (13, 15, 18) of the contact elements (10) may be flexibly deflected at least in one direction perpendicular to the printed circuit board (4), but preferably in all three spatial directions.
3. The electronic device as recited in Claim 1 or 2, wherein, when being plugged in, the printed circuit board (4) is slipped onto the ends (12) of the contact elements (10), such that the ends (12) penetrate in a contacting manner into the contact openings (8).
4. The electronic device as recited in one of Claims 1 through 3, wherein the ends (12) are soldered to the contact openings (8).
5. The electronic device as recited in Claim 3 or 4, wherein stop elements (14) are provided that limit the deflection of the elastically deformable segments (13), in the plug-in direction of the printed circuit board (4) onto the ends (12) of the contact elements (10).

6. The electronic device as recited in Claim 5,
wherein the stop elements (14) are formed by a fixed segment of the contact elements (10), which contact the interior wall (7) of the housing part (1) opposite the opening (3).
7. The electronic device as recited in Claim 1,
wherein the end faces of the printed circuit board (4) are separated by a gap (19) from the interior walls of the housing part (1).
8. The electronic device as recited in Claim 7,
wherein the damping elements (20) are inserted into the gap (19) and connect the edge area of the printed circuit board (4) to the housing part (1). (Figure 4)
9. The electronic device as recited in one the preceding claims,
wherein the interior wall of the housing part (1) has a step (30), whose upper side facing the printed circuit board (4) forms a stop for the printed circuit board when it is slid onto the contact elements (10).
10. The electronic device as recited in Claim 9,
wherein the damping elements (20) are situated between the side of the printed circuit board (4) facing away from the opening (3) of the housing part (1) and the upper side of the step (30). (Figure 2)
11. The electronic device as recited in one of the preceding claims,
wherein the damping elements (20) include an elastomer.
12. The electronic device as recited in Claim 11,
wherein the elastomer is a liquid silicon rubber.
13. The electronic device as recited in Claim 12,
wherein flow stop elements (21) for restricting the liquid silicon rubber that is still capable of flowing immediately after it is applied are provided at the location of the damping elements (20).